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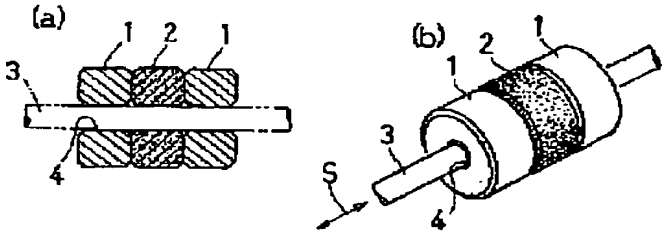
TITLE : NOISE ABSORPTION DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To absorb noise extending over the wide frequency band of a noise absorption device and also to facilitate a mounting of the device to a cable, by a method wherein cylindrical first magnetic members and a cylindrical second magnetic member of a magnetic permeability lower than that of the first magnetic members are superposed in the order of the first magnetic member and the second magnetic member in the axial direction of a cable insertion hole, and at the same time, these magnetic members are fixed on each other.

SOLUTION: A noise absorption device is constituted of two first magnetic members 1 and one second magnetic member 2, for example. The members 1 and 2 have a cable insertion hole 4, which is provided by forming a magnetic material into a cylindrical form and is used for inserting a cable 3 in the members 1 and 2. The members 1 are constituted of a ferrite, for example, and the member 2 is constituted of magnetic rubber or the like of a magnetic permeability lower than that of the members 1. These three magnetic members 1, 2 and 1 are formed by a method wherein the members 1 and 2 are respectively bonded to each other with a bonding agent, and the bonded members are laminated in the axial direction S of the cable 3. As a result, the noise absorption band of the device is extended. Moreover, this device can be mounted to the cable by one time of a mounting work.

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